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Flywheel Clutch

Engine Flywheel

Car Inspection

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Flywheel Inspection 1991-1999 on manuals

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11-29-2005, 07:54 AM

#1

bgsneeze
Member
Join Date: Jan 2005
Location: Ohio
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2003 ION-2 Quad Coupe
1997 SL2

Flywheel Inspection 1991-1999 on manuals
I a friend of mine was wondering what the inspection on a manual take son a saturn, Thought i would share this wit you as well, i got the info fron the local dealership. Sorry I dont have a scanner for the photos :
"Flywheel Inspection Procedures #95-T-37A - (Apr 16, 2003)
Flywheel Inspection Procedures
1991-1999 Saturn vehicles equipped with MP2 or MP3 manual transaxles
Purpose
When replacing the clutch disc and pressure plated due to normal component wear, it may be necessary to replace the flywheel assembly to ensure an effective friction surface. This bulletin provides guidelines to help determine whether a flywheel should be replaced.
Note: If the flywheel is resurfaced, the bolts connecting the flywheel to the crankshaft may, over time, come in contact with the springs located on the 3rd design clutch disc as it normally wears. (Refer to bulletin 98-T-24A or 98-T-XX for further information on updated clutch components.) This will cause the springs and bolts to wear and become damaged. This could lead to potential damaged clutch components and/or crankshaft. Therefore, Saturn highly recommends that flywheels no longer be resurfaced.
Important
Prior to performing the following service procedure, check the vehicle service history to determine whether the flywheel has already been resurfaced. If the flywheel has been resurfaced previously and the clutch disc is being replaced with the long travel damper disc (P/N 21120564), it is necessary to replace the flywheel with chamfered flywheel (P/N 21120535) and the following "Flywheel Inspection: procedure is no longer necessary.
Flywheel Inspection Procedure
Object Number: 881258 Size: SH
Click here for detailed picture of above image.
15. Inspect the flywheel ring gear for wear or damage to the teeth.
* If the flywheel ring gear is damaged, replace the flywheel.
* If the flywheel ring gear is not damaged, proceed to next step.
16. Check flywheel clutch-disc-contact surface for corrosion, chatter marks, scoring, cracking or overheating (indicated by blue discoloration).
Important
Random black spots on the friction surface of the flywheel are normal.
* If any of these conditions exist, replace the flywheel.
* If none of these conditions exist, proceed to next step.
Object Number: 878422 Size: SH
Click here for detailed picture of above image.
17. Using a dial indicator, measure flywheel runout. Push the crankshaft forward to take up thrust bearing clearance. Measure the runout at a diameter just inside the pressure plated bolt holes for at least two revolutions.
Maximum Runout: 0.15 mm (0.006 in.)

quote +



Join Date: Mar 2003
Location: Allentown, PA
Posts: 3,879

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11-30-2005, 07:35 PM

[bgsneeze](#)
Member
Join Date: Jan 2005
Location: Ohio
Posts: 285

2003 ION-2 Quad Coupe
1997 SL2

Re: Flywheel Inspection 1991-1999 on manuals

I just thought some one with a manual would like to see what Saturn's procedures are for inspection.

...

You say you just passed 100,000 miles.....well I guess it is time to take off the training wheels!

REWARD EXCELLENCE!

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